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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F24H1/00 F02G F02G1/043 F02G5/00 H02J3/38 G05D23/19 F24D19/10 F23N5/10 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) F24H F02G H02J G05D F24D F23N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Flectronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category 5 WO 03/084023 A (MICROGEN ENERGY LIMITED; 1-16, ALDRIDGE, WAYNE, KENNETH; CLARK, DAVID, 18-33,40 ANTHO) 9 October 2003 (2003-10-09) cited in the application 17-39,41 Y the whole document DE 101 11 072 A1 (ROBERT BOSCH GMBH) 1-16. 18-33 2 October 2002 (2002-10-02) abstract; figures 1,2 15 WO 01/61820 A (POWERLINE GES PTY LTD; Α CHAMBERS, COLIN, JAMES; COLIN, RICHARD, ERNEST) 23 August 2001 (2001-08-23) abstract -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents : T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 2 8. 06. 2005 25 May 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 García Moncayo, O

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| Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet) |
|---|
| This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: |
| Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: |
| 2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: |
| Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). |
| Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet) |
| This International Searching Authority found multiple inventions in this international application, as follows: |
| see additional sheet |
| As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. |
| 3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: |
| 4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: |
| Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees. |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16,18-33,40

Independent claim 1 and its dependent claims 2 to 14 and 18 to 33relate to a domestic heat and power system comprising an energy scheduler, which receives the operating times of a domestic combined heat and power unit (dchp) and which sets the operation times of the domestic appliances. Independent claim 15 relates to a domestic heat and power system serving a network comprising a hub controller which receives the operating times of a domestic combined heat and power unit (dchp) and which passes this information to a local energy scheduler. Said local energy scheduler sets the operating times of the domestic appliances. Independent claim 40 relates to a method for using the domestic heat and power system comprising the step of scheduling operation of the domestic appliance to coincide with the operation time of the dchp unit.

2. claims: 17-33,41

Independent claim 17 and its dependent claims 18 to 33 relate to a domestic heat and power system comprising a programmer module which receives from the user data input corresponding to time bands having start and end times, a desired temperature for the house during that time band and which generates a corresponding schedule therefrom and a controller which sets the operation times of the dchp units in acordance with the schedule provided by the programmer in such a way that the desired temperature is avalaible at the start time of each time band. Independent claim 41 relates to a method for using the domestic heat and power system comprising the steps of selecting time bands and temperature and scheduling operation of the dchp unit in such a way that the temperature of the home reaches the selected value at the start time of each time band.

3. claims: 34,35

Independent claim 34 and its dependent claim 35 relate to a domestic combined heat and power unit comprising a burner and a controller, wherein the controller controls the firing rate of the burner depending on the rate of change of the home temperature.

4. claims: 36-39

| FURTHER IN | NEORMATION | CONTINUED FROM | PCT/ISA/ | 210 |
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Independent claim 36 and its dependent claims 37 to 39 relate to a domestic combined heat and power unit comprising a burner and a controller, wherein the controller controls the firing rate of the burner in order to maintain a substantially constant temperature of the burner head.

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